Title (en)
VIDEO SIGNAL CONVERTING SYSTEM

Title (de)
VIDEOSIGNALUMWANDLUNGSSYSTEM

Title (fr)
SYSTÈME DE CONVERSION DE SIGNAL VIDÉO

Publication
EP 2330817 A1 20110608 (EN)

Application
EP 09811368 A 20090717

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Abstract (en)
A reverse filter operates for adding noise $n(x,y)$ to an output of a deteriorated model of a blurring function $H(x,y)$ to output an observed model $g(x,y)$. The blurring function inputs a true picture $f(x,y)$ to output a deteriorated picture. The reverse filter recursively optimizes the blurring function $H(x,y)$ so that the input picture signal will be coincident with the observed picture. In this manner, the reverse filter extracts a true picture signal. A corresponding point is estimated, based on a fluency theory, on the true input picture signal freed of noise contained in it by the reverse filter (20). The motion information of a picture is expressed in the form of a function. A plurality of signal spaces is selected by an encoder for compression (30) for the input picture signal. The picture information is expressed by a function from one selected signal space to another. The motion information of the picture expressed by the function and the signal-space-based picture information expressed in the form of a function are expressed in a preset form to encode the picture signal by compression. The picture signal encoded for compression has its frame rate enhanced by a frame rate enhancing processor (40).

IPC 8 full level
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